

Ben Rusholme

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1267992/publications.pdf>

Version: 2024-02-01

67
papers

13,377
citations

186265

28
h-index

98798

67
g-index

69
all docs

69
docs citations

69
times ranked

15412
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Planck</i> 2015 results. <i>Astronomy and Astrophysics</i> , 2016, 594, A13.	5.1	8,344
2	The Zwicky Transient Facility: System Overview, Performance, and First Results. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 018002.	3.1	1,020
3	The Zwicky Transient Facility: Data Processing, Products, and Archive. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 018003.	3.1	610
4	<i>Planck</i> 2013 results. XI. All-sky model of thermal dust emission. <i>Astronomy and Astrophysics</i> , 2014, 571, A11.	5.1	566
5	The Zwicky Transient Facility: Science Objectives. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 078001.	3.1	453
6	Candidate Electromagnetic Counterpart to the Binary Black Hole Merger Gravitational-Wave Event S190521g. <i>Physical Review Letters</i> , 2020, 124, 251102.	7.8	226
7	Seventeen Tidal Disruption Events from the First Half of ZTF Survey Observations: Entering a New Era of Population Studies. <i>Astrophysical Journal</i> , 2021, 908, 4.	4.5	174
8	A tidal disruption event coincident with a high-energy neutrino. <i>Nature Astronomy</i> , 2021, 5, 510-518.	10.1	136
9	The Zwicky Transient Facility Alert Distribution System. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 018001.	3.1	106
10	Real-bogus classification for the Zwicky Transient Facility using deep learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 3582-3590.	4.4	94
11	The Zwicky Transient Facility Bright Transient Survey. I. Spectroscopic Classification and the Redshift Completeness of Local Galaxy Catalogs. <i>Astrophysical Journal</i> , 2020, 895, 32.	4.5	91
12	GROWTH on S190425z: Searching Thousands of Square Degrees to Identify an Optical or Infrared Counterpart to a Binary Neutron Star Merger with the Zwicky Transient Facility and Palomar Gattini-IR. <i>Astrophysical Journal Letters</i> , 2019, 885, L19.	8.3	86
13	Machine Learning for the Zwicky Transient Facility. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 038002.	3.1	83
14	ZTF Early Observations of Type Ia Supernovae. I. Properties of the 2018 Sample. <i>Astrophysical Journal</i> , 2019, 886, 152.	4.5	77
15	The First Tidal Disruption Flare in ZTF: From Photometric Selection to Multi-wavelength Characterization. <i>Astrophysical Journal</i> , 2019, 872, 198.	4.5	74
16	The Koala: A Fast Blue Optical Transient with Luminous Radio Emission from a Starburst Dwarf Galaxy at $z=0.27$. <i>Astrophysical Journal</i> , 2020, 895, 49.	4.5	72
17	Optical follow-up of the neutron star “black hole mergers S200105ae and S200115j. <i>Nature Astronomy</i> , 2021, 5, 46-53.	10.1	71
18	Discovery and confirmation of the shortest gamma-ray burst from a collapsar. <i>Nature Astronomy</i> , 2021, 5, 917-927.	10.1	69

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19	A New Class of Changing-look LINERs. <i>Astrophysical Journal</i> , 2019, 883, 31.	4.5	66
20	The Zwicky Transient Facility Census of the Local Universe. I. Systematic Search for Calcium-rich Gap Transients Reveals Three Related Spectroscopic Subclasses. <i>Astrophysical Journal</i> , 2020, 905, 58.	4.5	57
21	Evidence for Late-stage Eruptive Mass Loss in the Progenitor to SN2018gep, a Broad-lined Ic Supernova: Pre-explosion Emission and a Rapidly Rising Luminous Transient. <i>Astrophysical Journal</i> , 2019, 887, 169.	4.5	55
22	A WC/WO star exploding within an expanding carbonâ€œoxygenâ€œneon nebula. <i>Nature</i> , 2022, 601, 201-204.	27.8	48
23	The First Ultracompact Roche Lobeâ€œFilling Hot Subdwarf Binary. <i>Astrophysical Journal</i> , 2020, 891, 45.	4.5	47
24	Candidate Tidal Disruption Event AT2019fdr Coincident with a High-Energy Neutrino. <i>Physical Review Letters</i> , 2022, 128, .	7.8	41
25	SN2019dgc: A Helium-rich Ultra-stripped Envelope Supernova. <i>Astrophysical Journal</i> , 2020, 900, 46.	4.5	38
26	ZTF Early Observations of Type Ia Supernovae. II. First Light, the Initial Rise, and Time to Reach Maximum Brightness. <i>Astrophysical Journal</i> , 2020, 902, 47.	4.5	35
27	A New Class of Roche Lobeâ€œfilling Hot Subdwarf Binaries. <i>Astrophysical Journal Letters</i> , 2020, 898, L25.	8.3	33
28	The Spectacular Ultraviolet Flash from the Peculiar Type Ia Supernova 2019yvq. <i>Astrophysical Journal</i> , 2020, 898, 56.	4.5	32
29	A Family Tree of Optical Transients from Narrow-line Seyfert 1 Galaxies. <i>Astrophysical Journal</i> , 2021, 920, 56.	4.5	28
30	2900 Square Degree Search for the Optical Counterpart of Short Gamma-Ray Burst GRB 180523B with the Zwicky Transient Facility. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 048001.	3.1	27
31	Pre-discovery Activity of New Interstellar Comet 2I/Borisov beyond 5 au. <i>Astronomical Journal</i> , 2020, 159, 77.	4.7	27
32	ZTF Early Observations of Type Ia Supernovae. III. Early-time Colors As a Test for Explosion Models and Multiple Populations. <i>Astrophysical Journal</i> , 2020, 902, 48.	4.5	26
33	Constraining the Kilonova Rate with Zwicky Transient Facility Searches Independent of Gravitational Wave and Short Gamma-Ray Burst Triggers. <i>Astrophysical Journal</i> , 2020, 904, 155.	4.5	26
34	SN 2020bvc: A Broad-line Type Ic Supernova with a Double-peaked Optical Light Curve and a Luminous X-Ray and Radio Counterpart. <i>Astrophysical Journal</i> , 2020, 902, 86.	4.5	25
35	Four (Super)luminous Supernovae from the First Months of the ZTF Survey. <i>Astrophysical Journal</i> , 2020, 901, 61.	4.5	25
36	ZTF18aalrxas: A Type IIb Supernova from a Very Extended Low-mass Progenitor. <i>Astrophysical Journal Letters</i> , 2019, 878, L5.	8.3	24

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37	ZTF20aajjnsq (AT 2020blt): A Fast Optical Transient at $z \approx 2.9$ with No Detected Gamma-Ray Burst Counterpart. <i>Astrophysical Journal</i> , 2020, 905, 98.	4.5	24
38	Discovery and characterization of five new eclipsing AMCVn systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 5440-5461.	4.4	22
39	AT 2019avd: a novel addition to the diverse population of nuclear transients. <i>Astronomy and Astrophysics</i> , 2021, 647, A9.	5.1	21
40	Discovery of a Double-detonation Thermonuclear Supernova Progenitor. <i>Astrophysical Journal Letters</i> , 2022, 925, L12.	8.3	20
41	Discovery of an Intermediate-luminosity Red Transient in M51 and Its Likely Dust-obscured, Infrared-variable Progenitor. <i>Astrophysical Journal Letters</i> , 2019, 880, L20.	8.3	19
42	AGNs on the Move: A Search for Off-nuclear AGNs from Recoiling Supermassive Black Holes and Ongoing Galaxy Mergers with the Zwicky Transient Facility. <i>Astrophysical Journal</i> , 2021, 913, 102.	4.5	19
43	A Non-equipartition Shock Wave Traveling in a Dense Circumstellar Environment around SN 2020oi. <i>Astrophysical Journal</i> , 2020, 903, 132.	4.5	19
44	Two stripped envelope supernovae with circumstellar interaction. <i>Astronomy and Astrophysics</i> , 2020, 643, A79.	5.1	18
45	SN 2018fif: The Explosion of a Large Red Supergiant Discovered in Its Infancy by the Zwicky Transient Facility. <i>Astrophysical Journal</i> , 2020, 902, 6.	4.5	18
46	Helium-rich Superluminous Supernovae from the Zwicky Transient Facility. <i>Astrophysical Journal Letters</i> , 2020, 902, L8.	8.3	18
47	The ZTF Source Classification Project. I. Methods and Infrastructure. <i>Astronomical Journal</i> , 2021, 161, 267.	4.7	16
48	The luminous and rapidly evolving SN 2018bcc. <i>Astronomy and Astrophysics</i> , 2021, 649, A163.	5.1	14
49	Multi-wavelength Observations of AT2019wey: a New Candidate Black Hole Low-mass X-ray Binary. <i>Astrophysical Journal</i> , 2021, 920, 120.	4.5	12
50	SNIascore: Deep-learning Classification of Low-resolution Supernova Spectra. <i>Astrophysical Journal Letters</i> , 2021, 917, L2.	8.3	11
51	The Broad-lined Ic Supernova ZTF18aaqjovh (SN 2018bvw): An Optically Discovered Engine-driven Supernova Candidate with Luminous Radio Emission. <i>Astrophysical Journal</i> , 2020, 893, 132.	4.5	11
52	The ZTF Source Classification Project â€“ II. Periodicity and variability processing metrics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2954-2965.	4.4	10
53	Less Than 1% of Core-collapse Supernovae in the Local Universe Occur in Elliptical Galaxies. <i>Astrophysical Journal</i> , 2022, 927, 10.	4.5	10
54	Early Ultraviolet Observations of Type IIn Supernovae Constrain the Asphericity of Their Circumstellar Material. <i>Astrophysical Journal</i> , 2020, 899, 51.	4.5	9

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55	Two $\text{c}\hat{\text{a}}^{\text{TM}}$ s in a pod: cosmology-independent measurement of the Type Ia supernova colour $\hat{\text{a}}$ luminosity relation with a sibling pair. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 5340-5356.	4.4	9
56	Zwicky Transient Facility and Globular Clusters: the Period $\hat{\text{a}}$ Luminosity and Period $\hat{\text{a}}$ Luminosity $\hat{\text{a}}$ Color Relations for Late-type Contact Binaries. <i>Astronomical Journal</i> , 2021, 162, 63.	4.7	8
57	Cataclysmic Variables in the Second Year of the Zwicky Transient Facility. <i>Astronomical Journal</i> , 2021, 162, 94.	4.7	8
58	Gravitational Microlensing Events from the First Year of the Northern Galactic Plane Survey by the Zwicky Transient Facility. <i>Research Notes of the AAS</i> , 2020, 4, 13.	0.7	8
59	Faintest of Them All: ZTF 21aaoryiz/SN 2021fcg $\hat{\text{a}}$ Discovery of an Extremely Low Luminosity Type Ia x Supernova. <i>Astrophysical Journal Letters</i> , 2021, 921, L6.	8.3	8
60	SN 2020bjj: A Type Ibn supernova with a long-lasting peak plateau. <i>Astronomy and Astrophysics</i> , 2021, 652, A136.	5.1	7
61	Outbursts at Comets 46P/Wirtanen, 64P/Swift-Gehrels, and 78P/Gehrels 2 in 2018. <i>Research Notes of the AAS</i> , 2019, 3, 126.	0.7	7
62	Joint Survey Processing. I. Compact Oddballs in the COSMOS Field $\hat{\text{a}}$ Low-luminosity Quasars at $z > 6$?. <i>Astrophysical Journal</i> , 2022, 929, 66.	4.5	7
63	HO Puppis: Not a Be Star, but a Newly Confirmed IW And-type Star. <i>Astrophysical Journal</i> , 2021, 911, 51.	4.5	3
64	In Search of Short Gamma-Ray Burst Optical Counterparts with the Zwicky Transient Facility. <i>Astrophysical Journal</i> , 2022, 932, 40.	4.5	3
65	Comet 240P/NEAT Is Stirring. <i>Astrophysical Journal Letters</i> , 2019, 886, L16.	8.3	2
66	A Search for Extra-tidal RR Lyrae in Globular Clusters NGC 5024 and NGC 5053. <i>Astronomical Journal</i> , 2020, 160, 31.	4.7	1
67	Joint Survey Processing. II. Stellar Proper Motions in the COSMOS Field from Hubble Space Telescope ACS and Subaru Telescope HSC Observations. <i>Astrophysical Journal</i> , 2022, 930, 71.	4.5	1